

**A VARIANT HUMAN ALPHA-7 ACETYLCHOLINE RECEPTOR SUBUNIT,
AND METHODS OF PRODUCTION AND USE THEREOF****Publication number:** JP2001506135 (T)**Publication date:** 2001-05-15**Inventor(s):****Applicant(s):****Classification:**

- international: *G01N33/50; C07K14/705; C12N1/15; C12N1/19; C12N1/21; C12N5/10; C12N15/09; C12Q1/02; C12Q1/68; G01N33/15; G01N33/566; A61K38/00; G01N33/50; C07K14/435; C12N1/15; C12N1/19; C12N1/21; C12N5/10; C12N15/09; C12Q1/02; C12Q1/68; G01N33/15; G01N33/566; A61K38/00; (IPC1-7): C12N15/09; C07K14/705; C12N1/15; C12N5/10; C12Q1/02; G01N33/15*

- European: C07K14/705K

Application number: JP19980528933T 19971222**Priority number(s):** US19960771737 19961220; WO1997US23405 19971222**Also published as:**

 WO9828331 (A2)
 WO9828331 (A3)
 US2003073161 (A1)
 US6683157 (B2)
 US2001006796 (A1)

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Abstract not available for JP 2001506135 (T)

Abstract of corresponding document: **WO 9828331 (A2)**

A variant human alpha 7 nicotinic acetylcholine receptor (nAChR) polypeptide is provided wherein the variant contains an amino acid substitution at the valine-274 position of the wild-type human alpha 7 nAChR. Nucleic acid molecules encoding the variant human alpha 7 nAChR, vectors and host cells containing such nucleic acid molecules are also provided. In addition, methods are provided for producing the variant as are methods of using such variants for screening compounds for activity at the nAChR.

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